

Converting Colors

$Y_{xy}(18.3451, 0.3826, 0.5169)$

Have a look what the booklet for
Yxy(18.3451, 0.3826, 0.5169)
contains.

Yxy(18.2399, 0.3834, 0.5158)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(18.2399, 0.3834, 0.5158)

Conversions

Conversions Part 1

Format	Color
Hex	697F16
RGB	105, 127, 22
RGB Percent	41%, 50%, 9%
CMY	0.5883, 0.5019, 0.9138
CMYK	0.17, 0.00, 0.83, 0.50
HSL	73°, 70%, 29%
HSV	73°, 83%, 50%
XYZ	13.5579, 18.2399, 3.5645
YIQ	108.4520, 20.5930, -37.3190

Conversions

Conversions Part 2

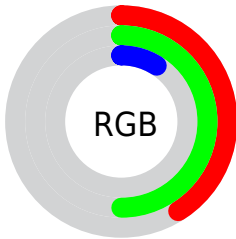
Format	Color
R_{YB}	22, 127, 44
Decimal	6913814
CIE _{Lab}	49.79, -22.31, 49.44
CIE _{LCh}	50, 54.244, 114.286
Yxy	18.2399, 0.3834, 0.5158
Android (android.graphics.Color)	4285103894 (0xFF697F16)
YUV	108.4520, -42.6208, -3.0274
Hunter-Lab	42.7082, -18.0736, 24.9473

Details

The Yxy color **18.2399, 0.3834, 0.5158** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2.6420, 0.1834, 0.0940**, and the grayscale version is **15.2472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5352, 0.3736, 0.4744**, and **6.2330, 0.3705, 0.5440** is the 20% darker color. If you saturate the color by 10%, you get **18.0444, 0.3841, 0.5267**, and if you desaturate by 10%, it is **18.4662, 0.3804, 0.5006**.

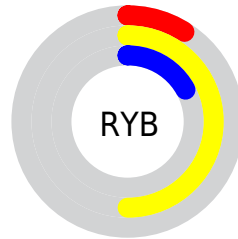
Distribution



Red (41%)

Green (50%)

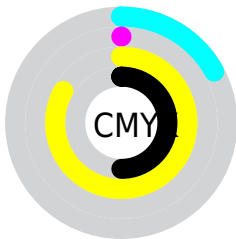
Blue (9%)



Red (9%)

Yellow (50%)

Blue (17%)

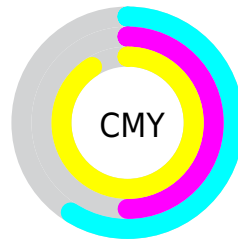


Cyan (17%)

Magenta (0%)

Yellow (83%)

Black (50%)



Cyan (59%)


Magenta (50%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2399, 0.3834, 0.5158 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 18.2399, 0.3834, 0.5158 by changing the saturation by 10% instead.


 18.2399, 0.3834,
0.5158


 18.2399, 0.3834,
0.5158


 242.2198, 0.3505,
0.4081


 11.1224, 0.3868,
0.5451


 40.4457, 0.3738,
0.4740


 6.1492, 0.3936,
0.5935

 56.3027, 0.3692,
0.4589


 2.9360, 0.3730,
0.6270

 75.8417, 0.3651,
0.4466

 1.0984, 0.3063,
0.6937


 99.4470, 0.3615,
0.4363


 0.0000, 0.0000,
0.0000


 127.5031, 0.3582,
0.4276


 160.3944, 0.3554,


0.4201


 198.5051, 0.3528,
0.4137

 18.2399, 0.3834,
0.5158


 18.2399, 0.3834,
0.5158

 18.0444, 0.3841,
0.5267


 18.4662, 0.3804,
0.5006

 17.9110, 0.3838,
0.5335

 18.7240, 0.3750,
0.4816

 19.0169, 0.3676,
0.4595

 19.3473, 0.3586,
0.4353

 19.7173, 0.3485,
0.4099

■ 20.1288, 0.3377,
0.3844

■ 20.5838, 0.3266,
0.3593

■ 21.0839, 0.3156,
0.3352

■ 21.6308, 0.3049,
0.3126

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.2399, 0.4651, 0.4624



18.2399, 0.3834, 0.5158



18.2399, 0.2892, 0.5049

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



18.2399, 0.3834, 0.5158



18.2399, 0.1455, 0.2184



18.2399, 0.4159, 0.2594

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18.2399, 0.3834, 0.5158



2.6420, 0.1834, 0.0940

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.2399, 0.3089, 0.2108



18.2399, 0.3834, 0.5158



18.2399, 0.1662, 0.1853

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.2399, 0.3834, 0.5158



18.2399, 0.1573, 0.2940



18.2399, 0.2202, 0.1846



18.2399, 0.4960, 0.3222

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.2399, 0.3834, 0.5158



18.2399, 0.2310, 0.4476



18.2399, 0.2202, 0.1846



18.2399, 0.3805, 0.2411

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18.2407, 0.3834, 0.5158



35.8187, 0.3409, 0.3918



6.2980, 0.5572, 0.3595



8.3348, 0.3441, 0.3993



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.2407, 0.3834, 0.5158



32.0367, 0.3831, 0.5334



16.0092, 0.3227, 0.5597



4.9753, 0.3227, 0.3505



18.0607, 0.3838, 0.5335



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



2.6420, 0.1834, 0.0940



3.1565, 0.1621, 0.0673



4.5660, 0.2619, 0.1345



4.2518, 0.3022, 0.3070



1.7750, 0.1629, 0.0671



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.2399, 0.3834, 0.5158 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.2399, 0.3834, 0.5158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

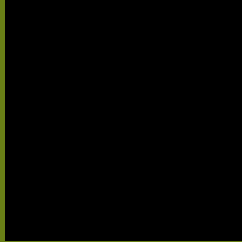
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.2399, 0.3834, 0.5158

Background



This preview shows how black text looks on a background with the Yxy color 18.2399, 0.3834, 0.5158.



This preview shows how white text looks on a background with the Yxy color 18.2399, 0.3834, 0.5158.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

18.2399, 0.3834, 0.5158

Protanopia

18.2307, 0.4321, 0.4805

Deuteranopia

18.0768, 0.4572, 0.4483



Tritanopia

18.1602, 0.2976, 0.3098

Trichromacy



Original Color

18.2399, 0.3834, 0.5158

Protanomaly

18.1842, 0.4141, 0.4933

Deuteranomaly

17.7930, 0.4307, 0.4718

Tritanomaly

17.7755, 0.3373, 0.3945

Monochromacy



Original Color

18.2399, 0.3834, 0.5158

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.9231, 0.3485, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2399, 0.3834, 0.5158 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(105, 127, 22)` looks like.

```
.text, #text, p{  
    color:rgb(105, 127, 22)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(105, 127, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 127, 22) }
```

Border

The CSS property to change the border of an element to Yxy 18.2399, 0.3834, 0.5158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 127, 22) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(105, 127, 22) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(105, 127, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 127, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 127, 22);  
box-shadow:4px 4px 4px 4px rgb(105, 127,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2399, 0.3834, 0.5158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 127, 22) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(105,  
127, 22) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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